

INTERNATIONAL SEARCH REPORT

onal Application No

PCT/IB2004/001506

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A A	<p>US 2002/160769 A1 (GRAY STEVEN D) 31 October 2002 (2002-10-31) abstract page 1, column 1, line 8 - page 3, column 1, line 40 page 4, column 1, line 58 - page 6, column 2, line 14; figures 1-7</p> <p>-----</p> <p>WO 03/024129 A (NOKIA CORP ; BLACK SIMON (GB); GRAY STEVEN (US); VADDE VENKATESH (US)) 20 March 2003 (2003-03-20) abstract page 4, line 21 - page 6, line 12 page 12, line 19 - page 13, line 21; figures 1-4</p> <p>-----</p>	<p>1-10, 13-19 11,12, 20,21</p> <p>1-21</p>



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

22 July 2004

Date of mailing of the international search report

05/08/2004

Name and mailing address of the ISA

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002160769	A1	31-10-2002	CA	2439808 A1		12-09-2002
			EP	1411675 A1		21-04-2004
			WO	02071627 A2		12-09-2002
			US	2004116112 A1		17-06-2004
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WO 03024129	A	20-03-2003	US	2003050012 A1		13-03-2003
			WO	03024129 A1		20-03-2003
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